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(54) Title: A COMMUNICATION SYSTEM ARCHITECTURE

(57) Abstract

Telephone calls, data and other multimedia information is routed through a hybrid network which includes transfer of information across the internet. A media reader entry captures complete user profile information for a user. This profile information is utilized by the system throughout the media experience for routing, billing, monitoring, reporting and other media control functions. Users can manage more aspects of a network than previously possible, and control network activities from a central site.

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INTERNATIONAL SEARCH REPORT

Inter. Application No
PCT/US 97/21174

A CLASSIFICATION OF SUBJECT MATTER
IPC 6 H04M7/00 H04L12/56 H04N7/14 H04L29/06 H04M3/42
H04M3/50 H04M11/06 H04M15/00 H04Q3/00 H04M3/46

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 H04M H04L H04N H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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☒ Patent family members are listed in annex.

☒ Further documents are listed in the continuation of box C.

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Inter. Patent Application No

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 97/21174

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheets

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-21; 185-205

Method, system or computer program for routing media transmissions on a hybrid network including a directory service.

2. Claims: 22-57

Method, apparatus or computer program for a multicast media communication.

3. Claims: 58-77

Method or computer program for media transmission on a hybrid network including an authenticating mechanism.

4. Claims: 78-131

Method, apparatus or computer program with profile information creation.

5. Claims: 132-143

Method or computer program for facsimile communication over a hybrid network.

6. Claims: 144-184; 224-253; 293-300

System, method or computer program in a hybrid communication system comprising a call parameter database.

7. Claims: 206-223

Method or computer program for connecting a first telephony capable device with a second telephony capable device for media transmission on a hybrid network including a collect service.

8. Claims: 254-286

Method, apparatus or computer program for media communication over a hybrid network with media data storage.

9. Claims: 287-292

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Hybrid telecommunication system with file transfer services.

10. Claims: 301-334

Hybrid switch in a telecommunication system or method or computer program for processing a communication at a hybrid switch.

INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern. Patent Application No

PCT/US 97/21174

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